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NASA Procedural Requirements

COMPLIANCE IS MANDATORY**NPR 8900.1A**
Effective Date: July 17, 2012
Expiration Date: July 17,
2017[Printable Format \(PDF\)](#)

Request Notification of Change (NASA Only)

Subject: NASA Health and Medical Requirements for Human Space Exploration**Responsible Office: Office of the Chief Health & Medical Officer**[| TOC](#) | [Preface](#) | [Chapter1](#) | [Chapter2](#) | [Chapter3](#) | [AppendixA](#) | [AppendixB](#) | [AppendixC](#) |
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Preface

P.1 Purpose

- a. This document provides the procedural requirements and processes for the NASA Health and Medical System for Human Space Exploration.
- b. NASA shall fulfill all requirements of this NASA Procedural Requirements (NPR) to protect the health and safety of crewmembers involved in space flight activities and enable successful human space exploration.

P.2 Applicability

- a. This NPR is applicable to NASA Headquarters and NASA Centers, including Component Facilities and Technical and Service Support Centers. This NPR applies to the Jet Propulsion Laboratory, a Federally Funded Research and Development Center, other contractors, grant recipients, and parties to agreements only to the extent specified or referenced in the appropriate contracts, grants, or agreements.
- b. The requirements in this NPR shall apply to all human space exploration activities including, but not limited to, space systems, space suits, planetary habitats, planetary rovers, and surface vehicles.
- c. The requirements in this NPR shall apply to internationally provided space systems as documented in distinct separate agreements, such as joint or multilateral agreements.
- d. The requirements in this NPR shall supplement requirements imposed by other Federal Government agencies.
- e. In this directive, all document citations are assumed to be the latest version unless otherwise noted.
- f. In this NPR, a requirement is identified by "shall," a good practice by "should," permission by "may" or "can," expected outcome or action by "will," and descriptive material by "is" or "are" (or another form of the verb "to be").

P.3 Authority

- a. 51 U.S.C. 20113(a) of the National Aeronautics and Space Act, as amended.
- b. NPD 1000.0, NASA Governance and Strategic Management Handbook.
- c. NPD 1000.3, The NASA Organization.
- d. NPD 8900.5, NASA Health and Medical Policy for Human Space Exploration.

P.4 Applicable Documents and Forms

- a. NPD 7100.8, Protection of Human Research Subjects.

- b. NPD 7120.4, NASA Engineering and Program/Project Management Policy.
- c. NPD 8900.1, NASA Medical Operations Responsibilities in Support of Human Space Flight Programs.
- d. NPD 8900.3, Astronaut Medical and Dental Observation Study and Care Program.
- e. NPR 1382.1, NASA Privacy Procedural Requirements.
- f. NPR 1441.1, NASA Records Retention Schedules.
- g. NPR 7120.5, NASA Space Flight Program and Project Management Requirements.
- h. NPR 7120.8, NASA Research & Technology Program and Project Management Requirements.
- i. NPR 7120.11, NASA Health and Medical Technical Authority (HMTA) Implementation.
- j. NASA-STD-3001, NASA Space Flight Human System Standard, Volume 1 - Crew Health.
- k. NASA-STD-3001, NASA Space Flight Human System Standard, Volume 2 - Human Factors, Habitability and Environmental Health.
- l. OCHMO 80771201MED, NASA Crewmembers Medical Standards, Volume 1 - Selection and Periodic Certification.
- m. 5 U.S.C. 552a, The Privacy Act of 1974, as amended.
- n. JSC-66306, Data Sharing Policy for Release of NASA Protected Health and Research Information.

P.5 Measurement And Verification

P.5.1 Measurements of compliance for this NPR is determined by whether operational managers adhere to the requirements and follow the processes specified in this NPR. The Chief Health and Medical Officer (CHMO) through Agency authority and its Health and Medical Technical Authority (HMTA) function will monitor compliance. This will include appropriate reviews by, and reporting to, the CHMO.

P.6 Cancellation

NPR 8900.1, NASA Health and Medical Requirements for Human Space Exploration, dated May 28, 2008.

/S/

Dr. Richard S. Williams
Chief Health and Medical Officer

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